



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010602
CERTIFICATION DATE: November 22, 2013
DATE RECERTIFICATION DUE: May 21, 2014

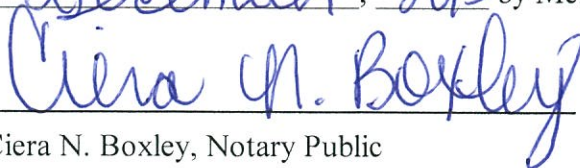
The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.



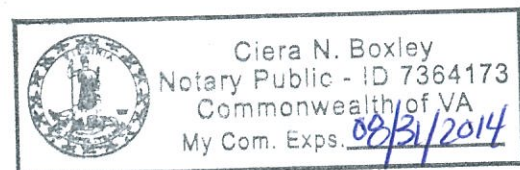
Melissa Kennedy
Program Manager, Calibration & Training

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 2nd day of
December, 2013 by Melissa Kennedy


Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014
TLW



Department of Forensic Science
Breath Alcohol Section
Instrument Location History
1/1/1990 To 11/25/2013

mmB

msk

Instrument Serial Number: 010602

As of 25-Nov-13

Start Date	End Date	Agency Name
22-Nov-13		Prince William County PD
16-Apr-13	22-Nov-13	DFS Central Lab
12-Jan-09	16-Apr-13	Middlesex County Sheriff's Office
04-Aug-08	12-Jan-09	DFS Central Lab

Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 11/25/2013

MMB

MMB

Instrument Serial Number: 010602 **As of 25-Nov-13**

Maintenance Date	Certification Date	Technician Initials	Remarks
22-Nov-13	22-Nov-13	MMB (26417)	CERTIFIED.
30-Sep-13	30-Sep-13	TLN (25387)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED.
08-Jan-13	08-Jan-13	TLN (25387)	CERTIFIED. REPLACED DRY GAS STANDARD.
04-Sep-12	19-Jul-12	DBH (21250)	REPLACED DRY GAS STANDARD.
19-Jul-12	19-Jul-12	SED (24178)	CERTIFIED. REPLACED DRY GAS STANDARD.
02-Feb-12	02-Feb-12	TLN (25387)	CERTIFIED
17-Aug-11	17-Aug-11	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
09-Mar-11	09-Mar-11	DBH (21250)	CERTIFIED
21-Sep-10	21-Sep-10	DBH (21250)	CALIBRATED AND CERTIFIED.
12-Jul-10	06-Apr-10	DBH (21250)	REPLACED DRY GAS STANDARD
06-Apr-10	06-Apr-10	DBH (21250)	CERTIFIED
20-Oct-09	20-Oct-09	DBH (21250)	CERTIFIED.
14-May-09	14-May-09	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
12-Jan-09	12-Jan-09	DBH (21250)	CERTIFIED.
25-Nov-08	25-Nov-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

mmb
WJH

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010602 Worksheet Start Date 11/22/2013

Location Prince William Garfield PD

Address 15948 Donald Curtis Dr Woodbridge VA 22191

DFS Technician Michelle Billeter License No. 26417

☐ Laboratory ☒ On-Site

Site Specifications

	Yes	No
1 Secured Environment: Location must not be accessible to the general public.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2 Environment free from contaminants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3 Dedicated telephone line: The phone line should be used solely by the instrument.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4 Adequate Ventilation: Enough space must be provided for the instrument and the printer to allow for adequate ventilation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5 Stable temperature controls: The instrument should not be exposed to direct sources of temperature variation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 115VAC power source: Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7 Room Condition: The site should be free of excessive moisture, heat and dust.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Old serial no.	New serial no.	Supplies
E-Seek	2000103356	Mouthpieces
Keyboard	6GHZ142031	Certificates of Analysis
Printer	3KKCEA36642	Operator Worksheet
UPS	8B0740R17904	Other:

Maintenance (if any)
INSTALLED AT PRINCE WILLIAM GARFIELD PD

Comments (if any)

Instrument Serial Number 010602

Certification Date 11/22/2013

Instrument Barometer (mm HG) 761

Reference Barometer (mm HG) 765

Reference Barometer(RB)Serial # 009111

RB Calibration Due 5/23/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.253
0.250	0.250	0.242	0.257	Sample 2	0.252
Precision		sample min	sample max	Sample 3	0.251
0.002		0.251	0.253		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.151
0.150	0.150	0.145	0.154	Sample 2	0.151
Precision		sample min	sample max	Sample 3	0.151
0		0.151	0.151		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.081
0.080	0.080	0.077	0.083	Sample 2	0.081
Precision		sample min	sample max	Sample 3	0.081
0		0.081	0.081		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.020
Precision		sample min	sample max	Sample 3	0.019
0.001		0.019	0.020		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☐ Calibrated☒ Certified☐ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG320502-11

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.100
0.100	0.100	0.097	0.103	Sample 2	0.100
Precision		sample min	sample max	Sample 3	0.100
0		0.100	0.100		

DFS Technician

Michelle Bellator

Date

11/25/13

Issuing Analyst

Melissa Kennedy

Date

11/26/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

TUN

DFS Document 250-F113

Revision 6

Page 2 of 2

nmb

WJL

Intox EC/IR-II: Software Version

Department of Forensic Science

Serial Number: 010602

System Date: 11/22/2013

System Time: 11:23 EST

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

mmB

mmB

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010602 Test Number: 365

Test Date: 11/22/2013 Test Time: 11:27 EST

Technician Initials: MMB

Dry Gas Target: 0.250

Lot Number: 0651225015-02 Exp Date: 04/01/2014

Tank Pressure: 536 psi Barometric Pressure: 761 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:28
BLK	0.000	11:29
CHK	0.253	11:29
BLK	0.000	11:30
CHK	0.252	11:31
BLK	0.000	11:32
CHK	0.251	11:33
BLK	0.000	11:34

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

MMB

MSK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010602 Test Number: 366
Test Date: 11/22/2013 Test Time: 11:37 EST

Technician Initials: MMB

Dry Gas Target: 0.150

Lot Number: 0651215014-06 Exp Date: 04/01/2014

Tank Pressure: 61 psi Barometric Pressure: 760 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:38
BLK	0.000	11:39
CHK	0.151	11:39
BLK	0.000	11:41
CHK	0.151	11:41
BLK	0.000	11:43
CHK	0.151	11:43
BLK	0.000	11:44

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

mmB

mmB

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010602 Test Number: 367

Test Date: 11/22/2013 Test Time: 11:46 EST

Technician Initials: MMB

Dry Gas Target: 0.080

Lot Number: 0651208012-06 Exp Date: 04/01/2014

Tank Pressure: 100 psi Barometric Pressure: 760 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:46
BLK	0.000	11:47
CHK	0.081	11:48
BLK	0.000	11:49
CHK	0.081	11:50
BLK	0.000	11:51
CHK	0.081	11:52
BLK	0.000	11:53

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

MMB

AGL

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010602 Test Number: 368
Test Date: 11/22/2013 Test Time: 11:55 EST

Technician Initials: MMB

Dry Gas Target: 0.020

Lot Number: 0651202011-07 Exp Date: 04/01/2014
Tank Pressure: 183 psi Barometric Pressure: 760 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	11:55
BLK	0.000	11:56
CHK	0.019	11:57
BLK	0.000	11:58
CHK	0.020	11:59
BLK	0.000	12:00
CHK	0.019	12:01
BLK	0.000	12:02

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

mms

MSL

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010602 Test Number: 369

Test Date: 11/22/2013 Test Time: 12:04 EST

Dry Gas Target: 0.300

Lot Number: AG322702-03 Exp Date: 08/15/2015

Tank Pressure: 193 psi Barometric Pressure: 760 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:05
CHK	0.303	12:06
BLK	0.000	12:07
CHK	0.302	12:08
BLK	0.000	12:10
CHK	0.301	12:10

Test Status: *Success*

Calibration CRC: 2570BCC6

MMB
112613

ML

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010602 Test Number: 370

Test Date: 11/22/2013 Test Time: 12:13 EST

Dry Gas Target: 0.100

Lot Number: AG320502-11 Exp Date: 07/24/2015

Tank Pressure: 958 psi Barometric Pressure: 760 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:14
CHK	0.100	12:15
BLK	0.000	12:16
CHK	0.100	12:17
BLK	0.000	12:18
CHK	0.100	12:19

Test Status: *Success*

Calibration CRC: 2570BCC6

mmb

wll




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY BILLETER, MICHELLE, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 26417	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 11/22/2013
TEST EQUIPMENT NUMBER 010602		

RESULTS: TIME SAMPLE TAKEN 12:26 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

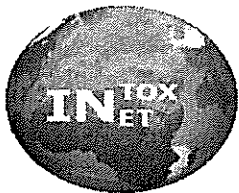
ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 25 Nov 2013 at 13:26

mmB
WHL

Test Results

Instrument Serial Number 010602

Test # 000371 Subject Test

Test Location 1 Department of
Test Date 22 Nov 2013

Test Location 2 Forensic Science
Test Time 12:20
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name BILLETER
Agency DFS Central Lab

Operator's First Name MICHELLE

License Number 26417
Operator's Middle Initial M

Card Serial Number 126417

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 22 Nov 2013 End Time 12:27

Result Time 12:26

Result Date 22 Nov 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 12:21

Data Type BLK

Sample Value 0.000

Sample Time 12:21

Data Type CHK

Sample Value 0.100

Sample Time 12:22

Data Type BLK

Sample Value 0.000

Sample Time 12:23

Data Type SUBJ

Sample Value 0.000

Sample Time 12:24

Data Type BLK

Sample Value 0.000

Sample Time 12:25

Data Type SUBJ

Sample Value 0.000

Sample Time 12:26

Data Type BLK

Sample Value 0.000

Sample Time 12:27

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG320502-11

Standard Expiration Date 07/24/2015

Tank Pressure 953

Barometric Pressure 760 mmHg

Blow Sample Number 1 Blow Duration 3.81 sec

Blow Volume 1704 cc End-of-Blow Time 12:24

Blow Sample Number 2 Blow Duration 3.98 sec

Blow Volume 1738 cc End-of-Blow Time 12:26

Tamper Evident Stamp fb9f325d

Test Status Code 0

Test Status Success